WHAT IS CLAIMED IS:

1.   A job distributed processing method in that a plurality of computers having the respective preselected resource amounts are connected through a network to each other, and an entered

5   job to any of said plural computers are distributed so as to execute the entered job, said job distribution processing method comprising the steps of:

storing a job execution history as to a plurality of jobs which were executed in the past in each of said computers;

10   referring to said job execution history to select a computer such that when an execution-subject job is executed, said execution-subject job does not exceed the resource amount stored by said computer; and

distributing said execution-subject job to said selected

15   computer.

2.   A job distributed processing method as claimed in claim 1 further comprising the steps of:

predicting a resource amount required when said

20   execution-subject job is executed, by selecting a job from said job execution history, and said job is resembled to said execution-subject job and was executed in the past; and

managing both a total resource amount possessed by each of said plural computers and also used resource amounts used

25   by the respective computers in the format of a server resource management table;

executing a job selecting method to select a computer such that a summed resource amount does not exceed the total

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resource amount of said computer, and further, a load thereof becomes minimum, said summed resource amount being calculated between the predicted resource amount of the execution-subject job and the used resource amount obtained with reference to

5   said server resource management table; and

distributing said job to said selected computer.

3.   A job distributed processing method as claimed in claim 2 wherein said job selecting method selects the job which

10   was executed in the past and is resembled to said execution-subject job, while referring to the respective items of a comment in which a name of a job, a name of a job execution request person, a job execution request day, and a feature of a job are described.

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4.   A job distributed processing method as claimed in claim 1, wherein when there is no job which was executed in the past and is resembled to said execution-subject job, a selection is made of such a computer that a ratio of the used

20   resource amount with respect to the total resource amount saved by said computer becomes minimum, and also a load thereof becomes minimum, and the entered job is distributed to said selected computer.

25   5   A job distributed processing method as claimed in claim 1 wherein capabilities of the respective computers are normalized while a capability of a specific computer is used as a reference;

actual use data normalized from said job execution history is totalized/processed based upon the normalized computer capability; and

a charging process operation is carried out with respect

5   to each of users of the respective computers based on said actual use data.

6.   A job distributed processing method as claimed in claim 5 wherein the charging process operation is carried out

10   with respect to the user of each of the respective computers based upon a total expense required when each of said computers is conducted, a total expense required when each of said computers is operated, CPU time used by each of said jobs, and an actual memory amount used by each of said jobs.

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7.   A recording medium which stores a program capable of executing both said totalizing process operation of the actual use data and said charging process operation with respect to the user as recited in claim 5.

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8.   A recording medium as claimed in claim 7, which further stores a program capable of executing said charging process operation as recited in claim 6.

25   9.   A distributed processing system comprising a job queuing server which mutually connects a plurality of computers having preselected resource amounts to each other via a network, and also distributes an entered job to any of said plural computers

so as to execute the entered job by the job-distributed computer, wherein:

said job queuing server saves a job execution history as to a plurality of jobs which were executed in the past; and

while referring to said job execution history, said job queuing server selects such a computer that when an execution-subject job is executed, said execution-subject job does not exceed the resource amount saved by said computer, and said job queuing server distributes said execution-subject job to said selected computer.

10. A distributed processing system as claimed in claim 9, wherein said job queuing server comprise:

history saving means for saving thereinto the respective job execution histories of said plurality of jobs which were executed in the past;

history referring means operated in such a manner that while a job selection method is executed by which a job is selected from said job execution history, and said job is resembled to said execution-subject job and was executed in the past, a resource amount required when said execution-subject job is executed in predicted;

resource managing means operated in such a manner that while both a total resource amount saved by each of said plural computers and also used resource amounts used by the respective computers are managed in the format of a server resource management table, a list is made of such a computer that a

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summed resource amount does not exceed the total resource amount saved by said computer, and further, a load thereof becomes minimum, said summed resource amount being calculated between the predicted resource amount of the execution-subject job

5   and the used resource amount obtained with reference to said server resource management table; and

distributing means for selecting such a computer whose load becomes minimum from said list and for distributing the entered job to the selected computer.

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11.   A distributed processing system as claimed in claim 10, wherein said job selecting method selects the job which was executed in the past and is resembled to said execution-subject job, while referring to the respective items

15   of a comment in which a name of a job, a name of a job execution request person, a job execution request day, and a feature of a job are described.

12.   A distributed processing system as claimed in claim

20   9, wherein when there is no job which was executed in the past and is resembled to said execution-subject job, said job distributing means selects such a computer that a ratio of the used resource amount with respect to the total resource amount saved by said computer becomes minimum, and also a load

25   thereof becomes minimum, and also distributes the entered job to said selected computer.

13.   A distributed processing system as claimed in claim

9, further comprising:

charge processing means operated in such a manner that capabilities of the respective computers are normalized while a capability of a specific computer is used as a reference;

5 actual use data normalized from said job execution history is totalized/processed based upon the normalized computer capability; and a charging process operation is carried out with respect to each of users of the respective computers based on said actual use data.

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14. A distributed processing system as claimed in claim 13, wherein said charge processing means further executes such a charging process operation with respect to the user of each of the respective computers based upon a total expense required

15 when each of said computers is conducted, a total expense required when each of said computers is operated, CPU time used by each of said jobs, and an actual memory amount used by each of said jobs.

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